

INTERNATIONAL SEARCH REPORT

Publication No

PCT/IB 03/04916

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G11B7/085 G11B7/09

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G11B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	ANONYMOUS: "Moving magnet rotary actuator for optical file" RESEARCH DISCLOSURE, KENNETH MASON PUBLICATIONS, HAMPSHIRE, GB, vol. 315, no. 77, July 1990 (1990-07), XP007115344 ISSN: 0374-4353	1
Y	the whole document	2,3,5
Y	US 4 669 073 A (ISHIBASHI HIROMICHI ET AL) 26 May 1987 (1987-05-26) abstract	2,3
	-/--	

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

& document member of the same patent family

Date of the actual completion of the international search

4 March 2004

Date of mailing of the international search report

12/03/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Hermann, R

INTERNATIONAL SEARCH REPORT

PCT/IB

Application No

PCT/IB 03/04916

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	PATENT ABSTRACTS OF JAPAN vol. 007, no. 234 (P-230), 18 October 1983 (1983-10-18) -& JP 58 122630 A (MATSUSHITA DENKI SANGYO KK), 21 July 1983 (1983-07-21) abstract	5
X	EP 0 400 570 A (TOKYO SHIBAURA ELECTRIC CO) 5 December 1990 (1990-12-05) column 4, line 4 -column 7, line 13; figure 5	1
X	PATENT ABSTRACTS OF JAPAN vol. 016, no. 209 (P-1354), 18 May 1992 (1992-05-18) -& JP 04 034731 A (TOSHIBA CORP;OTHERS: 01), 5 February 1992 (1992-02-05) abstract	1
X	WO 01 94988 A (CORETEK INC) 13 December 2001 (2001-12-13) abstract	1
A	"HIGH-PERFORMANCE, LOW-COST OPTICAL FILE ACTUATOR" IBM TECHNICAL DISCLOSURE BULLETIN, IBM CORP. NEW YORK, US, vol. 40, no. 12, 1 December 1997 (1997-12-01), pages 191-193, XP000754135 ISSN: 0018-8689 the whole document	1-7

INTERNATIONAL SEARCH REPORT

Information on patent family members

Information

Application No

PCT/IB 03/04916

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 4669073	A	26-05-1987	JP 1880900 C	21-10-1994
			JP 6001553 B	05-01-1994
			JP 60160035 A	21-08-1985
			JP 1880925 C	21-10-1994
			JP 6001554 B	05-01-1994
			JP 61054052 A	18-03-1986
			JP 1880926 C	21-10-1994
			JP 6001555 B	05-01-1994
			JP 61054053 A	18-03-1986
			DE 3573853 D1	23-11-1989
			EP 0156460 A1	02-10-1985
			KR 8903556 B1	23-09-1989
JP 58122630	A	21-07-1983	JP 2026063 C	26-02-1996
			JP 7046424 B	17-05-1995
EP 0400570	A	05-12-1990	JP 3001329 A	08-01-1991
			JP 3001330 A	08-01-1991
			EP 0400570 A2	05-12-1990
JP 04034731	A	05-02-1992	NONE	
WO 0194988	A	13-12-2001	CA 2409285 A1	13-12-2001
			EP 1299695 A2	09-04-2003
			WO 0194988 A2	13-12-2001
			US 2002092186 A1	18-07-2002
			US 2002050067 A1	02-05-2002